Docket No. 00-062-DSK

CLAIMS:

What is claimed is:

1   1.   A stored data management subsystem, the stored data
2   management subsystem comprising:
3   one or more hosts; and
4   a plurality of data storage elements functionally
5   coupled to the one or more hosts, wherein the plurality
6   of data storage elements is organized using a plurality
7   of layers of mapping tables, the plurality of layer of
8   mapping tables provides unique identification of a
9   location of data such that individual data entries in a
10   mapping table is variable and self-defining with respect
11   to the amount of data managed.

1   2.   The stored data management system of claim 1,
2   wherein the layers of mapping tables are variable and
3   self-defining.

1   3.   The stored data management system of claim 1,
2   wherein the layers of mapping tables are implemented
3   individually.

1   4.   The stored data management system of claim 3,
2   wherein the individual layers of mapping tables are
3   variable.

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1   5.   The stored data management system of claim 1,

2   wherein information within the mapping table is by

3   demand.

1   6.   The stored data management system of claim 1,

2   wherein a range of data is managed and is correlated to

3   an addressed mapping table within the plurality of

4   mapping tables.

1   7.   The stored data management system of claim 6,

2   wherein the correlation is an algorithm.

1   8.   The stored data management system of claim 6,

2   wherein the correlation is a pointer system.

1   9.   The stored data management system of claim 6,

2   wherein the correlation is a pointer to correlation

3   logic.

1   10.   The stored management system of claim 6, wherein the

2   correlation is a tree structure.

1   11.   The stored data management system of claim 6,

2   wherein the range of data is managed independent of the

3   layer of mapping tables being accessed within the

4   plurality of layers of mapping tables.